

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Adi Scheidemann, Mark McGraw, and Eustathios Vassiliou  
Application No. : Unknown  
Filing Date : Unknown  
For : Ion Detector Array Assembly and Devices Comprising the Same  
Docket No.: ION402  
Date: March 29, 2004

Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

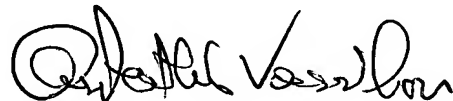
Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information applicants are aware of which is believed relevant to the examination of the above-identified application, applicants believe that his invention is patentable.

The non-patent Attachment 1, is a drawing representing an article which was being sold before the provisional application 60/170,112 was filed. The present Application claims priority of the provisional application 60/170,112.

Please, acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,



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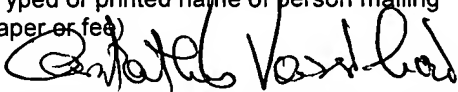
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I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

EUSTATHIOS VASSILIOU

(Typed or printed name of person mailing paper or fee)



(Signature of person mailing paper or fee)

FORM PTO-1449  
(REV.7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEDOCKET NO.  
ION402APPLICATION NO.  
Unknown**INFORMATION DISCLOSURE STATEMENT***(Use several sheets if necessary)*APPLICANTS: Adi Scheidemann, Mark McGraw, and  
Eustathios VassiliouFILING DATE  
March 29, 2004GROUP ART UNIT  
Unknown**U.S. PATENT DOCUMENTS**

*EXAMINE R INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	U.S. 5,317,151	05-1994	Sinha et al.	250	298	
	U.S. 5,801,380	09-1998	Sinha	250	299	
	U.S. 6,046,451	04-2000	Sinha	250	298	
	U.S. 6,182,831 B1	02-2001	Scheidemann et al.	209	213	
	U.S. 6,191,419 B1	02-2001	Sinha	250	294	
	U.S. 6,403,956 B1	06-2002	Sinha	250	298	
	U.S. 6,576,899 B2	06-2003	Sinha et al.	250	299	

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

**OTHER PRIOR ART** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	J. Mattauch, Ergebnisse der exakten Naturwissenschaften, vol 19, page 170-236, 1940
	Robert B. Darling, Adi A. Scheidemann, K. N. Bhat, and T.-C. Chen, Micromachined Faraday Cup Array Using Deep Reactive Ion Etching, Sensors and Actuators, A95 (2002) 84-93
	R. B. Darling, A. A. Scheidemann, K. N. Bhat, and T.-C. Chen,, Proc. of the 14th IEEE Int. Conf. on Micro Electro Mechanical Systems (MEMS-2001), Interlaken, Switzerland, Jan. 21-25, 2001, pp. 90-93
	Nier, D. J. Schlutter Rev. Sci. Instrum. 56(2), page 214-219, 1985
	T. W. Burgoyne et. al. J. Am. Soc. Mass Spectrum 8, page 307-318, 1997

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).